

## **ABSTRACT OF THE DISCLOSURE**

3 There is disclosed herein an improved air and fuel intake system for a high performance  
4 internal combustion engine for installing on a supercharger or the intake manifold of the engine. The  
5 air intake system is attached to the mounting surface of the supercharger or intake manifold such that  
6 the plurality of separate air passages of the intake system ensure the uniform distribution of intake  
7 air to all parts of the supercharger or intake manifold. Each air passage has a decreasing cross-  
8 sectional area along the direction of air flow to increase the velocity of the intake air. The air intake  
9 system includes a forwardly disposed air inlet, which faces in the direction of travel of a vehicle  
10 powered by the engine. The air passages are controlled by butterfly air valves in the air inlet.